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**From:** Fennessy, Christopher [christopher.fennessy@Rocket.com]  
**Sent:** 1/7/2021 10:34:46 PM  
**To:** MacDonald, Alex@Waterboards (Alex.MacDonald@waterboards.ca.gov) [Alex.MacDonald@waterboards.ca.gov]; MacNicholl, Peter@DTSC (Peter.MacNicholl@dtsc.ca.gov) (Peter.MacNicholl@dtsc.ca.gov) [Peter.MacNicholl@dtsc.ca.gov]; Swanson, Charles [Swanson.Charles@epa.gov]  
**Subject:** Area 40 Post-Remedy Monitoring Plan  
**Attachments:** Area 40 Post-Remedy Sampling Location Map.pdf; revised Area 40 groundwater sampling locations.pdf

Hi Everyone – Between December 8 and December 23, Aerojet Rocketdyne, Inc. conducted its first complete post-remedy monitoring event at Area 40. This event included monitoring of ambient air, soil vapor wells, and groundwater wells. The attached figure shows the locations that were in the approved RDIP. The other figure included in this email shows the trichloroethylene plume as depicted in the HHERA along with the groundwater monitoring wells.

During the event, several groundwater wells (30464, 30475, 30480 and 30482) were dry and could not be sampled and some wells (30472, 30480 (yes, was also dry) 30481 and 30486) appear to provide little pertinent information on remedy effectiveness. These wells are shown in purple on the attached map. I propose that we eliminate these from future monitoring events and replace them with the following the wells highlighted in green on the attached map. I believe wells 31050, 30460, 30466, 30461, 30465, and 30468 will provide better information on the baseline condition and allow us to monitor whether the groundwater plume is contracting or not. Wells (31051, 30483 and 30468 (yes, it is mentioned above also)) are suggested to monitor the VOC plume emanating from the East Burn Area. The final well (31055) is proposed as a replacement for well 30482, which was dry during the sampling event.

This ultimately results in the addition of 2 monitoring points (remove 7 locations and add 9 locations). I do believe we should continue to check location 30475 to see if we can collect a sample. It is located just to the northeast of an area of high bedrock (see post remedy sampling map topography) and likely where the groundwater and VOC plume emanating from the East Burn Area (see the green hatched circle inside the East Burn Area on the post remedy sampling map – this is where well 31051 is located) is forced toward the north around this high bedrock.

If you approve, we will immediately schedule sampling so it is temporal with the December 21-23 groundwater sampling event.

Thanks, Chris

**Christopher M. Fennessy, P.E.**

**Aerojet Rocketdyne, Inc.**

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